

ASCOM Canon Lens Controller [Mark II](#) M42 x 0.75 mm adapter for APS-C camera



This adapter supports (2023):

[QHY163M/C](#)

[QHY174M/C](#)

[QHY178M/C](#)

[QHY183M/C](#)

[QHY224C](#)

[QHY290M/C](#)

[QHY294M](#)

[QHY533C](#)

[QHY8L](#)

[QHY10](#)

[QHY21](#)

[QHY22](#)

[QHY23](#)

[ASI1600MM](#)

[ASI174MM](#)

[ASI183 MM/MC](#)

[ASI294MM/MC](#)

[ASI533MM/MC](#)

[Player One
Ares-C \(IMX533\)](#)

[Touptek/Risingcam
IMX294](#)

[Touptek/Risingcam
IMX533](#)

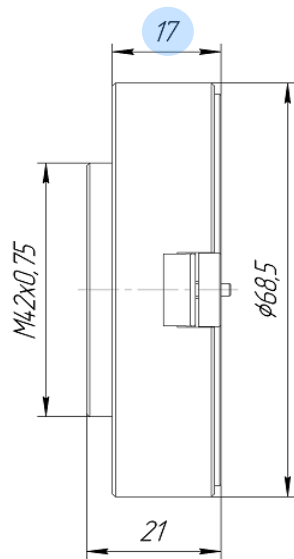
[Touptek/Risingcam
IMX571](#)

[Any other camera with M42x0.75 thread,
C/CS mount and a similar back focal length.](#)

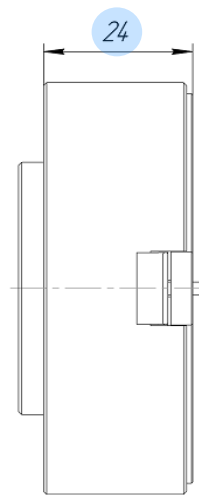
Please, see the Useful Links page for camera drawings.

We offer two types of base adapters:

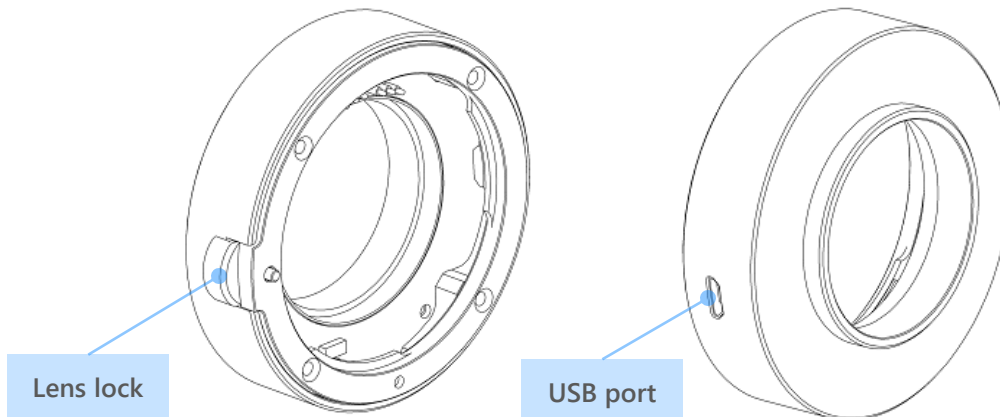
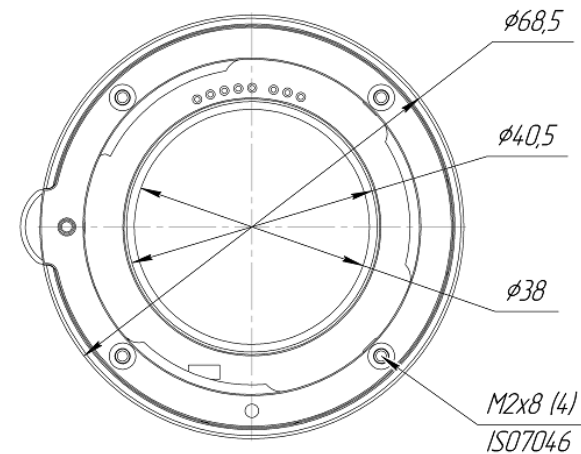
17 mm base adapter
for most M42x0.75mm threaded cameras
(ZWO/QHY/SBIG/ATIK)



24 mm base adapter
for QHY8L/QHY10/QHY12



Front view
(same for both types)





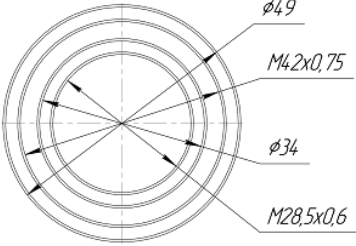
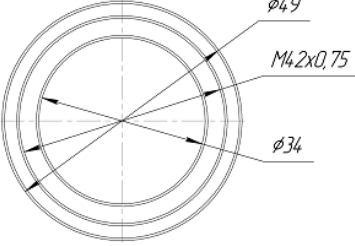
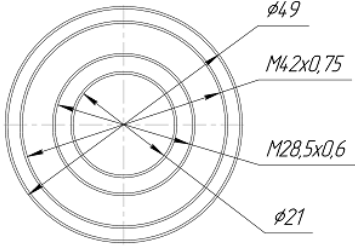
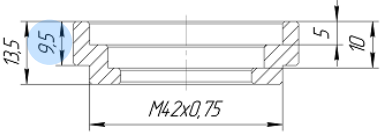
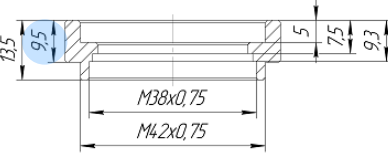
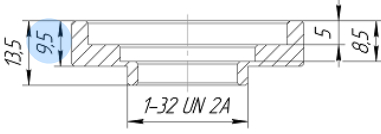
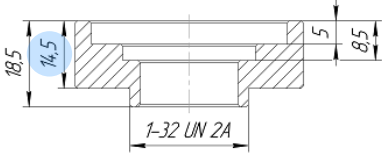


These adapters are compatible with Canon **EF** and **EF-S** lenses.

These adapters use a **micro USB** connector (after MAY 2020).

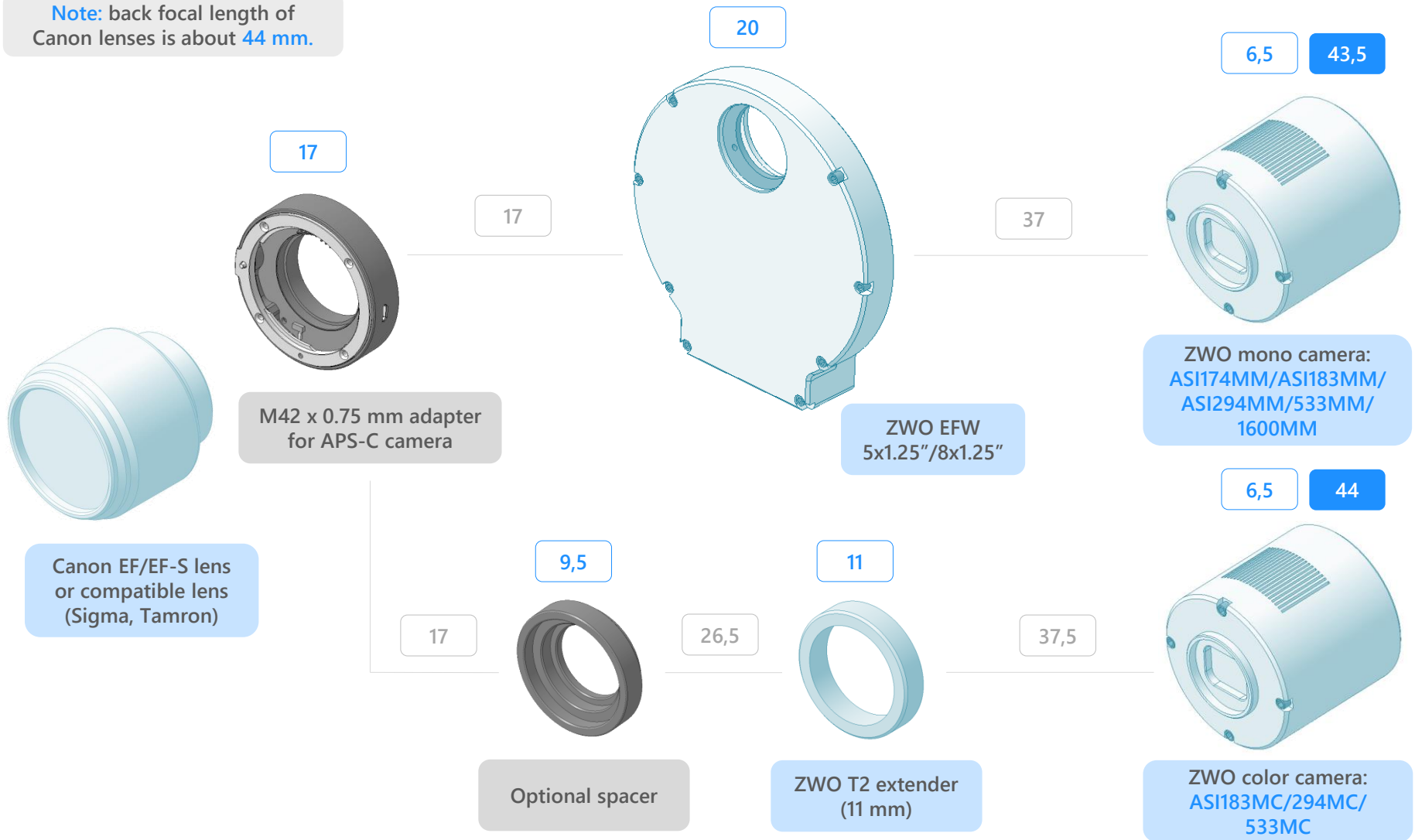
17 mm base adapter can accept various optional spacers.

You may need these parts to achieve the correct back focal length, install a filter or connect to C/CS mount camera.

Standard 9.5 mm spacer (for mounted 1.25" filters)	Standard 9.5 mm spacer (for unmounted 36mm filters)	9.5 mm C- mount spacer (for mounted 1.25" filters)	14.5 mm CS- mount spacer (for mounted 1.25" filters)
			
Front view			
			
Side view			
			

You only need the base adapter to use your camera with a filter wheel.
 An additional spacer is needed for cameras without a filter wheel (e.g. color cameras).

Note: back focal length of Canon lenses is about 44 mm.



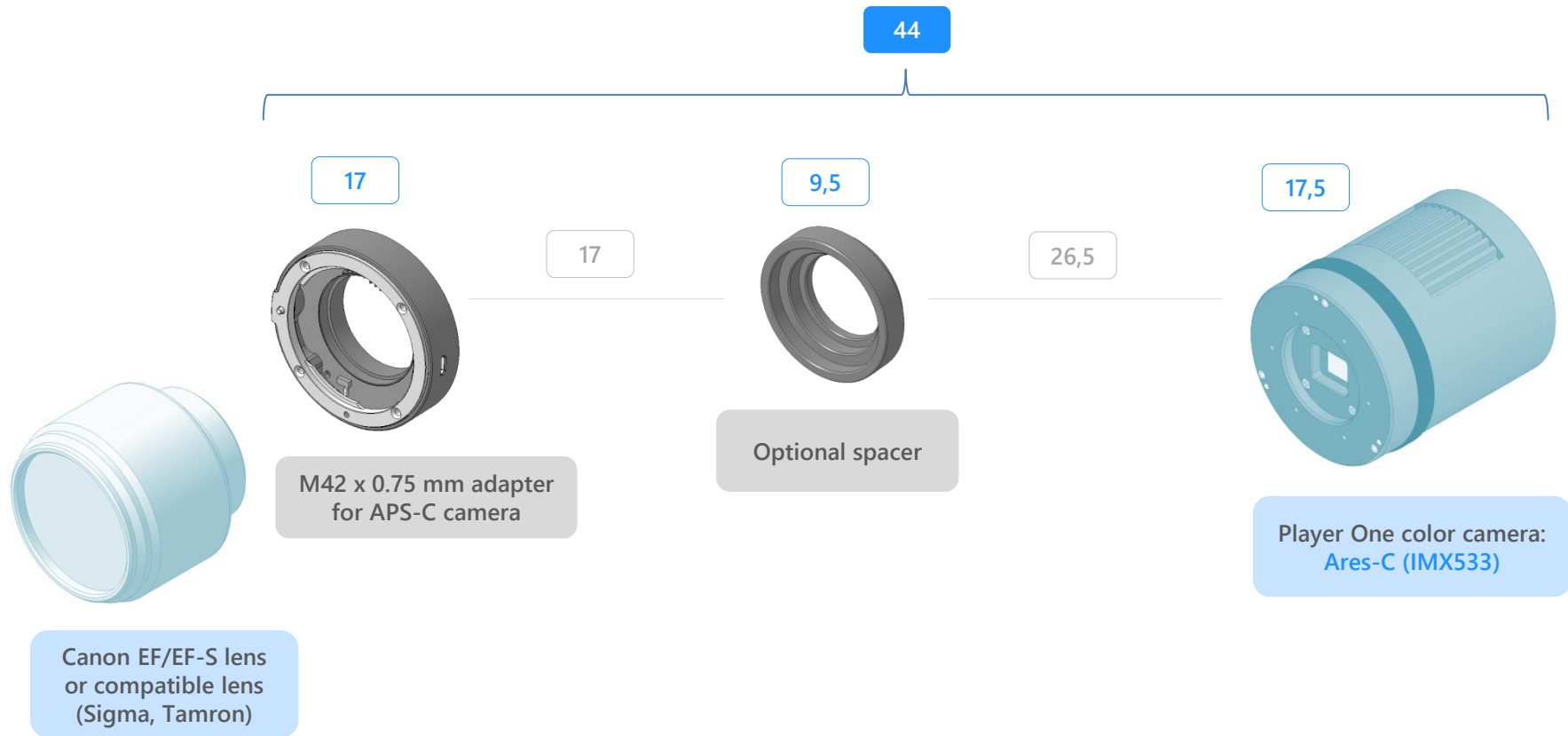
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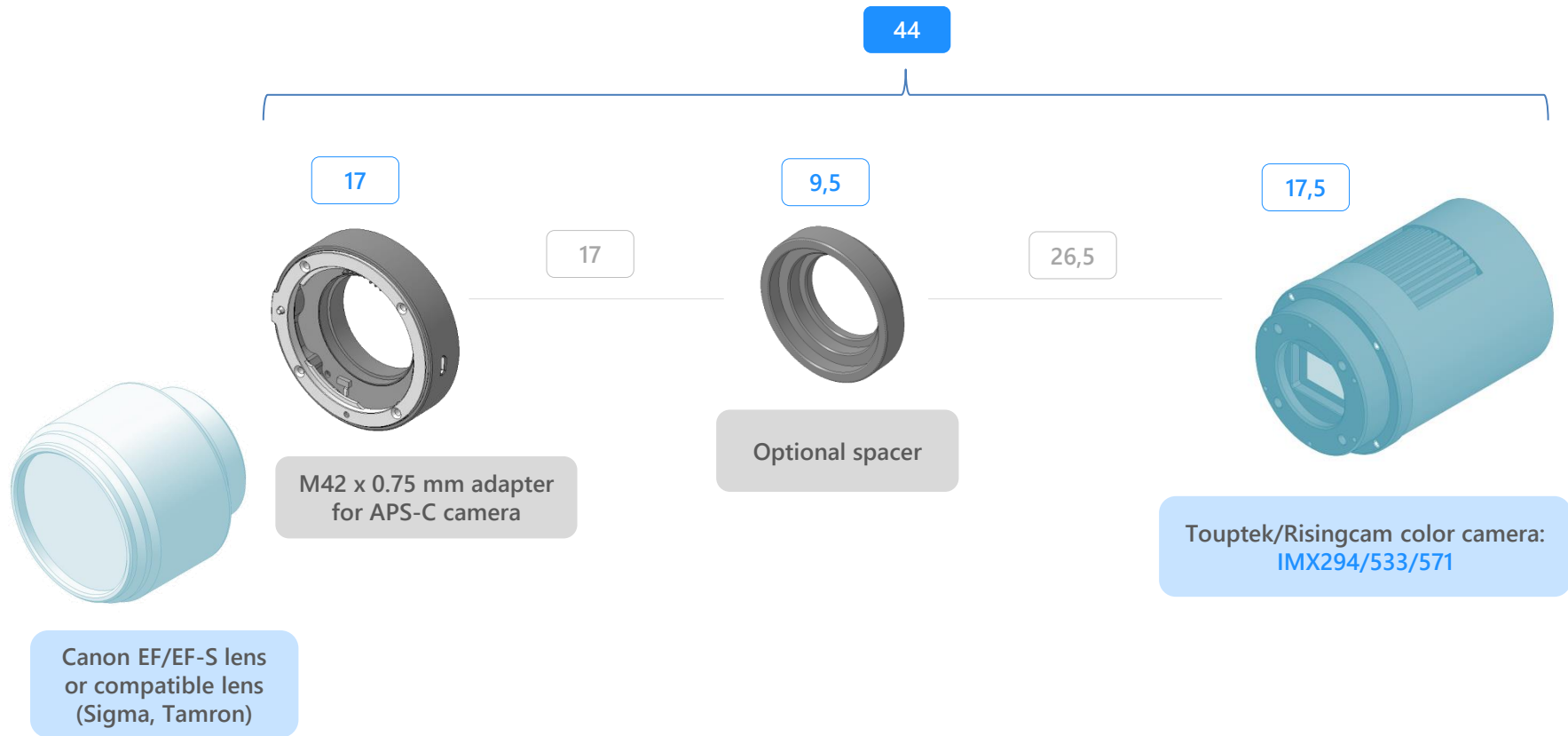
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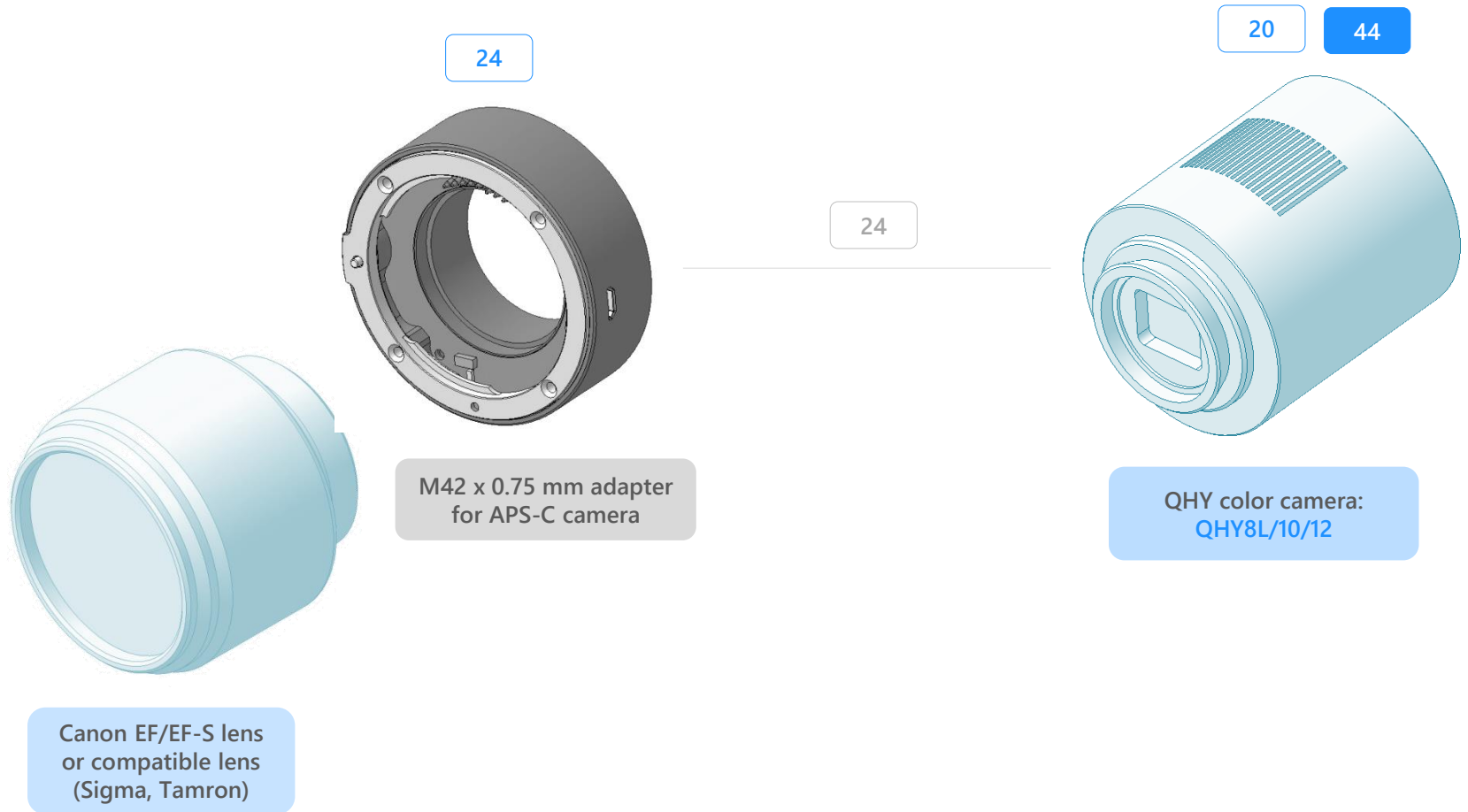
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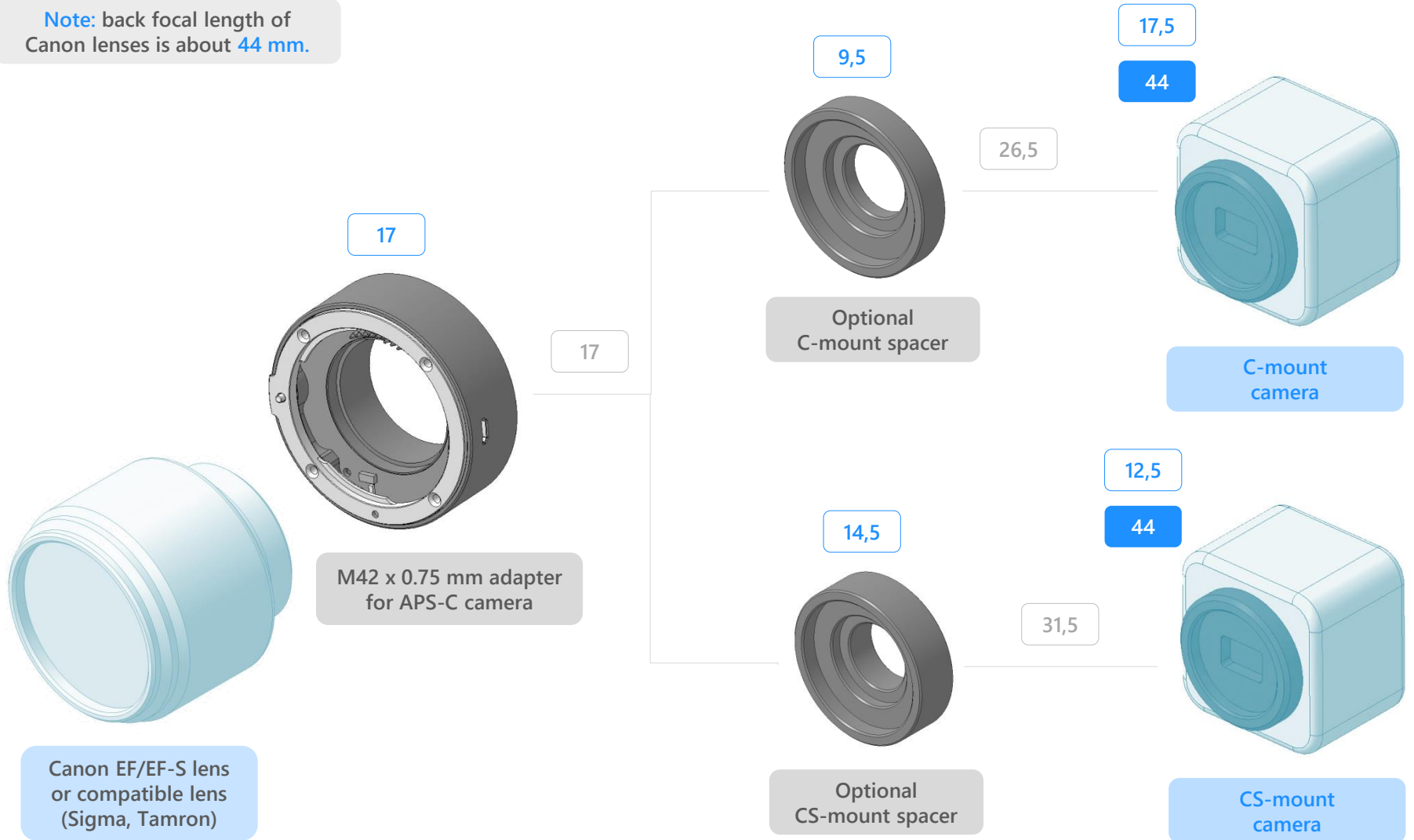
You may need this adapter if you want to connect your lens to the QHY8L/10/12.
This adapter was specifically designed only for this family of color cameras from QHYCCD.

Note: back focal length of Canon lenses is about **44 mm**.



You can also use any camera with C-mount or CS-mount.
 Thus, it is possible to use various cameras for machine vision, video surveillance, sorting systems, etc.

Note: back focal length of Canon lenses is about 44 mm.



For ordering information, please contact us via:

Skype: [live:astromechanicsgroup](skype:live:astromechanicsgroup)

or

E-mail: astromechanicsgroup@gmail.com

Didn't find a suitable adapter? Don't worry!

[We can make a custom adapter](#) of any thickness, with any thread and even according to your drawings! Feel free to contact us.

This page provides useful links to camera drawings and other resources.

For detailed information, please refer to the official website of the camera manufacturer.

Model	URL	Description
QHY163M/C	https://astromechanics.org/downloads/ascom_ef/en/pic/QHY_163MC.png	Drawing
QHY174M/C QHY178M/C QHY224C QHY290M/C	https://astromechanics.org/downloads/ascom_ef/en/pic/QHY_174MC_178MC_224C_290MC.png	Drawing
QHY183M/C	https://astromechanics.org/downloads/ascom_ef/en/pic/QHY_183MC.png	Drawing
QHY8L QHY10 QHY12	https://astromechanics.org/downloads/ascom_ef/en/pic/QHY_8L_8PRO_10_12.png	Drawing
QHY21 QHY22 QHY23	https://astromechanics.org/downloads/ascom_ef/en/pic/QHY_21_22_23.png	Drawing
ASI183MM/MC ASI294MC ASI533MC ASI1600MM	https://astromechanics.org/downloads/ascom_ef/en/pic/ASI_183MMMC_294MC_533MC_1600MM.png	Drawing
ASI174MM	https://astromechanics.org/downloads/ascom_ef/en/pic/ASI_174MM.png	Drawing
ZWO EFW	https://astromechanics.org/downloads/ascom_ef/en/pic/ZWO_EFW.png	Drawing

This page provides useful links to camera drawings and other resources (continuation).

For detailed information, please refer to the official website of the camera manufacturer.

Model	URL	Description
ZWO EFW Mini	https://astromechanics.org/downloads/ascom_ef/en/pic/ZWO_EFWMini.png	Drawing
QHY CFW3	https://www.qhyccd.com/qhycfw3-filter-wheel/	Product page
Player One Ares-C (IMX533)	https://astromechanics.org/downloads/ascom_ef/en/pic/PL_ONE_ARES-C.jpg	Drawing
Touptek/Risingcam IMX571	https://astromechanics.org/downloads/ascom_ef/en/pic/Touptek_Risingcam_IMX571.jpg	Drawing
Player One Ares-C (IMX533)	https://player-one-astronomy.com/product/ares-c-pro-usb3-0-color-camera-imx533/	Product page